

CLAIMS

1. Sealing device (1) (100) for a rolling  
contact bearing (2) comprising two races (3, 4) which  
are coaxial to each other; the device comprises two  
5 inserts (5, 6) which are made of metal material and  
which are each coupled to a relative race (3, 4), at  
least one sealing lip (8) which extends between the  
said two inserts (5, 6), and a phonic wheel (9) which  
is supported by the more external (5) of the said two  
10 inserts (5, 6); and being characterised by the fact  
that the more external of the two inserts (5)  
comprises an annular housing (19) for containing the  
phonic wheel (9) which is axially open towards the  
outside of the bearing (2), and which presents a  
15 shield (20) which is made of vulcanised rubber  
material and which is arranged in such a way as to  
completely seal the housing (19) itself.

2. Sealing device according to Claim 1,  
characterised by the fact that the said housing (19)  
20 is radially delimited by a first and a second  
cylindrical wall (12, 16) which form part of the said  
more external insert (5); the first cylindrical wall  
(12) defines an internal radial support for the said  
phonic wheel (9), and the second wall defines an  
25 annular channel (17) with the other insert (6).

3. Sealing device according to Claim 2,  
characterised by the fact that the said second wall  
(16) presents a cylindrical edge (18), which is  
folded towards the other insert (6) and which defines  
5 an outer radial limit for the shield made of  
vulcanised rubber (20).

4. Sealing device according to Claim 3,  
characterised by the fact that the said shield (20)  
comprises two opposite radial ends (21, 22) which  
10 respectively define a static seal against a race (3)  
of the bearing (2), and a dynamic seal which  
substantially seals the said annular channel (17).